

ABSTRACT

~~The present invention is directed to an~~ An audio signal reproducing system ~~comprising is provided, including~~ a speaker system ~~including having~~ at least two drive units or more which are divided or separated by frequency band. In this system [(1)], a signal processing unit [(3)] serves to add inverse characteristic to an inputted digital audio signal as correction characteristic of impulse response of speaker system [(7)]. Thereafter, a D/A converter converts the digital audio signal thus obtained back into an analog signal. A power amplifier [(5)] amplifies the analog signal thus obtained to deliver the analog signal thus amplified to the speaker system [(7)]. The speaker system [(7)] outputs a signal at low frequency band that a LPF [(8)] has passed as sound wave of low pitched sound from drive surface [(9a)] of a low frequency drive unit [(9)], and outputs a signal at high frequency band that a HPF [(10)] has passed as sound wave of high pitched sound from drive surface [(11a)] of a high frequency drive unit [(11)].